

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

AUG 11 2003

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s)

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other: _____

Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

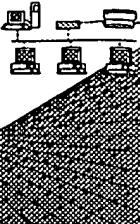
For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

For PatentIn software help, call (703) 308-6856

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/927,585
Source: 1600
Date Processed by STIC: 6/4/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

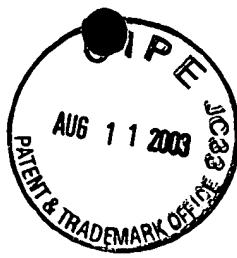
TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003



1600

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/927,585

DATE: 06/04/2003
TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt
Output Set: N:\CRF4\06042003\I927585.raw

3 <110> APPLICANT: HERMONAT, PAUL L.
4 KLINBERG, SUZANNE V.
5 LIU, YONG
7 <120> TITLE OF INVENTION: COMPOSITIONS, METHODS AND PRODUCTS COMPRISING HUMAN
PAPILLOMAVIRUS FOR
8 DETECTING AND TREATING A CANCER
10 <130> FILE REFERENCE: 23355/55
12 <140> CURRENT APPLICATION NUMBER: US 09/927,585
13 <141> CURRENT FILING DATE: 2001-08-09
15 <150> PRIOR APPLICATION NUMBER: US 60/219,914
16 <151> PRIOR FILING DATE: 2000-07-21
18 <150> PRIOR APPLICATION NUMBER: US 60/220,210
19 <151> PRIOR FILING DATE: 2000-07-22
E--> 21 <160> NUMBER OF SEQ ID NOS: 5 4 (see p.3)
23 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

25 <210> SEQ ID NO: 1
26 <211> LENGTH: 20
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Based on HPV E6 sequence
33 <400> SEQUENCE: 1
E--> 34 tgtcaaaaaac cgttgtgtcc
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 20
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Based on HPV E7 sequence
45 <400> SEQUENCE: 2
E--> 46 tgcttaattcg gtgcttacatcg
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 20
51 <212> TYPE: DNA
C--> 52 <213> ORGANISM: Artificial
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c
or t
58 <400> SEQUENCE: 3
E--> 59 gcmcaggggwcaataayaatgg

Does Not Comply
Corrected Diskette Needed

(21) 20

(18) 20

20 ← Insert
Cumulative
base total
at right
margin of each line
6/4/03

62 <210> SEQ ID NO: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/927,585

DATE: 06/04/2003
TIME: 14:21:35

Input Set : N:\AMC\23355.55.SEQ.LST.txt
Output Set: N:\CRF4\06042003\I927585.raw

63 <211> LENGTH: 20 ① 21 shown
64 <212> TYPE: DNA
C--> 65 <213> ORGANISM: Artificial
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Based on HPV-L1 sequence; m=a or c; r=a or g; w=a or t; y=c
or t
70 <400> SEQUENCE: 4
E--> 71 cgtccmarrg ggawactgatc

last sequence in submitted file

21 ← insert cumulative
base total at
right margin of
each line

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 06/04/2003
PATENT APPLICATION: US/09/927,585 TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt
Output Set: N:\CRF4\06042003\I927585.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/927,585

DATE: 06/04/2003
TIME: 14:21:36

Input Set : N:\AMC\23355.55.SEQ.LST.txt
Output Set: N:\CRF4\06042003\I927585.raw

L:34 M:254 E: No. of Bases conflict, LENGTH:Input:21 Counted:20 SEQ:1
L:46 M:254 E: No. of Bases conflict, LENGTH:Input:18 Counted:20 SEQ:2
L:52 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:59 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:3
L:65 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:71 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:21 SEQ:4
L:71 M:252 E: No. of Seq. differs, <211> LENGTH:Input:20 Found:21 SEQ:4
L:21 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (5) Counted (4)